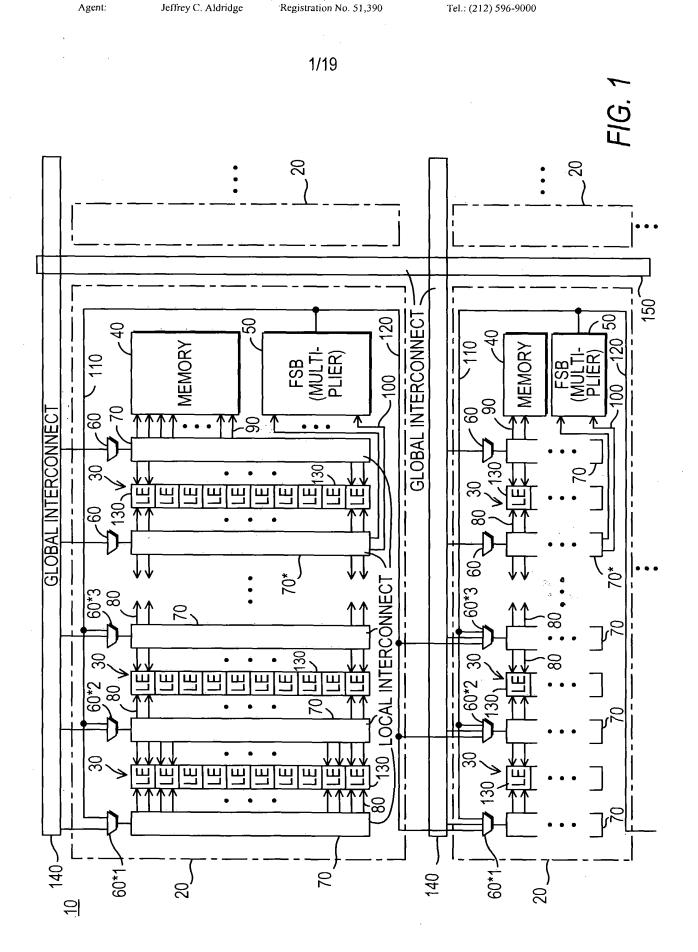
Applicant: Application No.: Agent:

Martin Langhammer Not Yet Assigned

Martin Langhammer
Not Yet Assigned
PROGRAMMABLE LOGIC-DEVICES WITH FUNCTION SPECIFIC BLOCKS

Docket No.: 174/198 Div. Filed: Herewith Tel.: (212) 596-9000



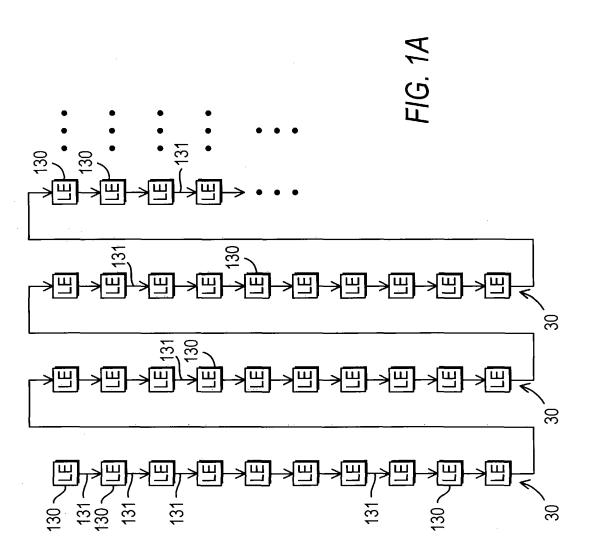
Applicant: Martin Langhammer Application No.: Not Yet Assigned For:

Agent:

PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS

Jeffrey C. Aldridge Registration No. 51,390 Tel.: (212) 596-9000

Docket No.: 174/198 Div. Filed: Herewith



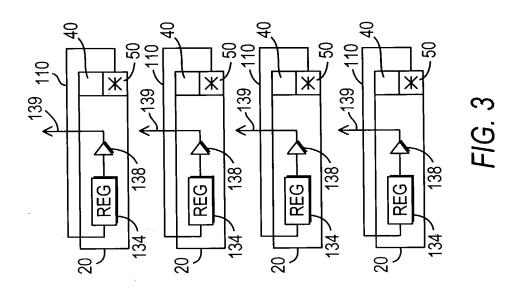
Martin Langhammer Not Yet Assigned

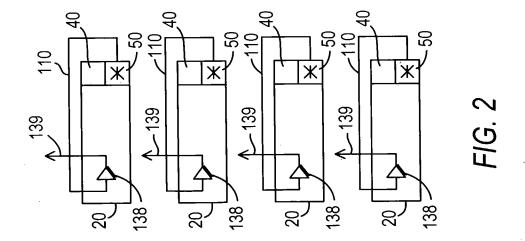
PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS

Jeffrey C. Aldridge Registration No. 51,390 Tel.: (212) 596

Docket No.: 174/198 Div. Filed: Herewith

Tel.: (212) 596-9000



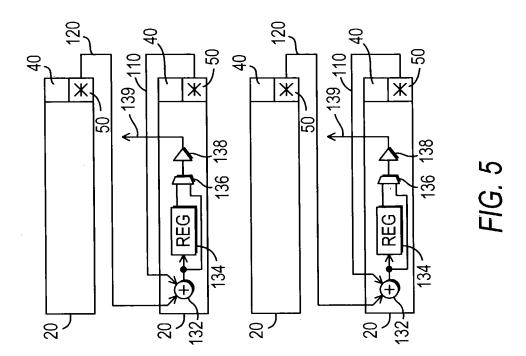


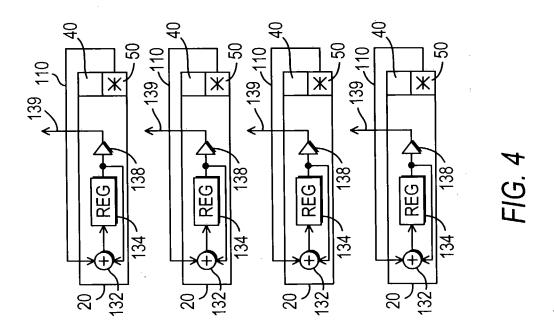
For:

Agent:

Applicant: Martin Langhammer Application No.: Not Yet Assigned

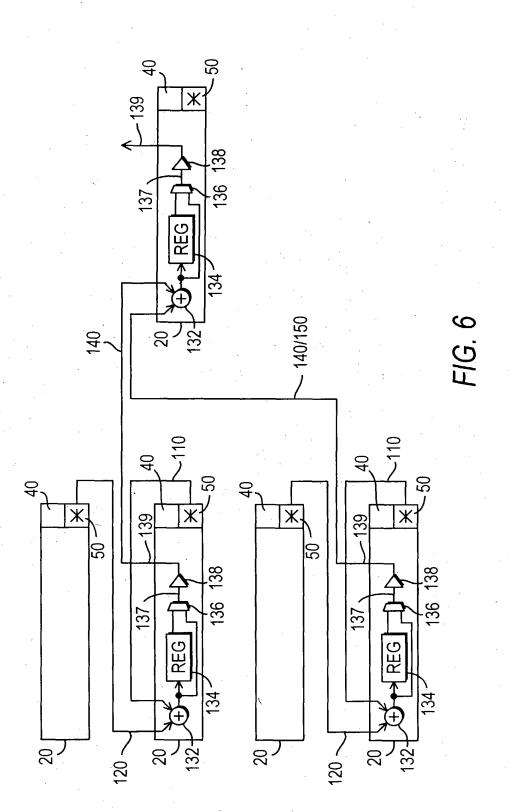
Martin Langhammer
Not Yet Assigned
PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS
Jeffrey C. Aldridge
Registration No. 51,390
Tel.: (212) 596-9000





Agent:

Martin Langhammer Docket No.: 174/198 Div. Not Yet Assigned Filed: Herewith PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Jeffrey C. Aldridge Registration No. 51,390 Tel.: (212) 596-9000



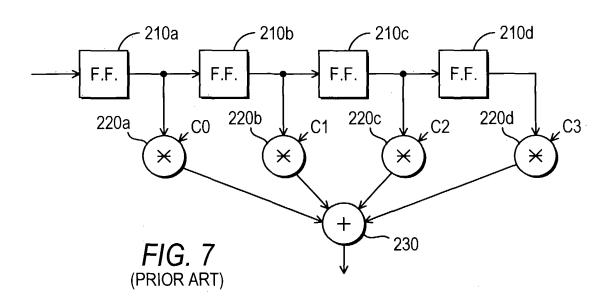
Agent:

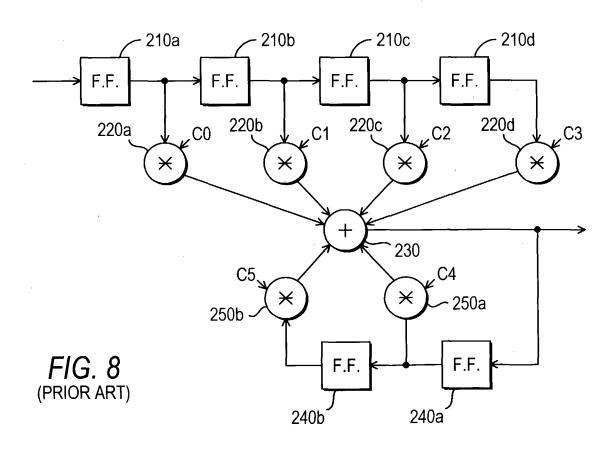
Martin Langhammer Not Yet Assigned

PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Jeffrey C. Aldridge Registration No. 51,390

Docket No.: 174/198 Div. Filed: Herewith

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Agent:

Martin Langhammer Not Yet Assigned

PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Jeffrey C. Aldridge Registration No. 51,390

Docket No.: 174/198 Div. Filed: Herewith Tel.: (212) 596-9000

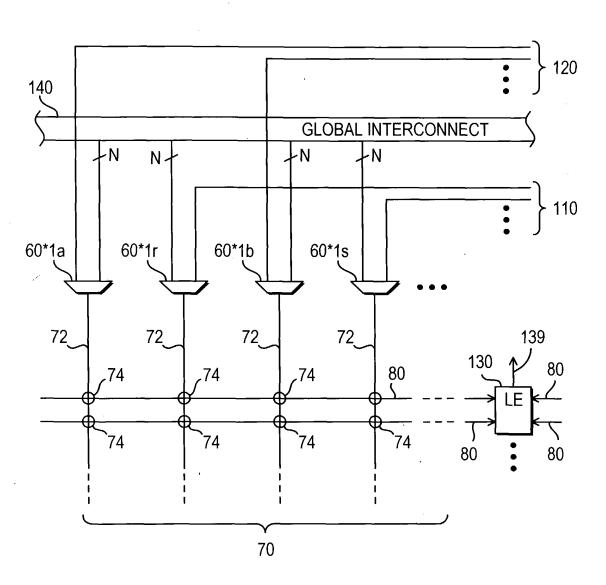
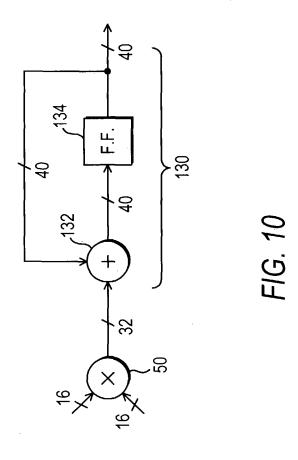


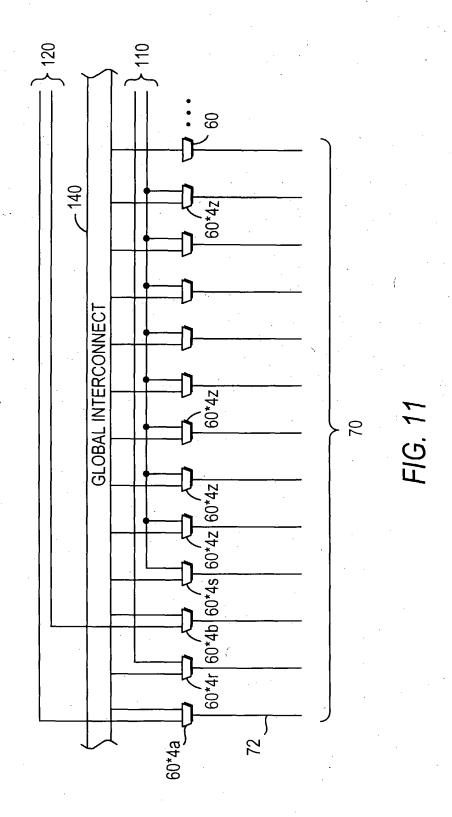
FIG. 9

Applicant: Martin Langhammer Docket No.: 174/198 Div.
Application No.: Not Yet Assigned Filed: Herewith
For: PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS
Agent: Jeffrey C. Aldridge Registration No. 51,390 Tel.: (212) 596-9000



Agent:

Martin Langhammer
Not Yet Assigned
PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS
Jeffrey C. Aldridge
Registration No. 51,390
Docket No.: 174/198 Div.
Filed: Herewith
PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS
Jeffrey C. Aldridge
Registration No. 51,390
Tel.: (212) 596-9000



Applicant:

Agent:

Martin Langhammer

Application No.: Not Yet Assigned Filed: Herewith PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Registration No. 51,390 Jeffrey C. Aldridge

Docket No.: 174/198 Div.

Tel.: (212) 596-9000

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TWO'S COMPLEMENT									
DECIMAL VALUE	TWO'S COMPLEMENT REPRESENTATION								•
•		•							
+ 3	•	•	•	0	0	0	0	1	1
+ 2	•	•	•	0	0	0	0	1	0
+ 1	•	•	•	0	0	0	0	0	1
0	•	•	•	0	0	0	0	0	0
- 1	•	•	•	1	1	1	1	1	1
- 2	•	•	•	1	1	1	1	1	0
- 3	•	•	•	1	1	1	1	0	1
- 4	•	•	•	1	1	1	1	0	0
						•	•		

FIG. 12 (PRIOR ART)

Agent:

Martin Langhammer

Not Yet Assigned Filed: Herewith PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Registration No. 51,390 Jeffrey C. Aldridge

Docket No.: 174/198 Div. Filed: Herewith Tel.: (212) 596-9000

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ONE'S COMPLEMENT									
DECIMAL VALUE	ONE'S COMPLEMENT REPRESENTATION								
•		•							
+ 3	•	•	•	0	0	0	0	1	1
+ 2	•	•	•	0	0	0	0	1	0
+ 1	•	•	•	0	0	0	0	0	1
0	•	•	•	0	0	0	0	0	0
- 1	•	•	•	1	1	1	1	1	0
- 2	•	•	•	1	1	1	1	0	1
- 3	•	•	•	1	1	1	1	0	0
- 4	•	•	•	1	1	1	0	1	1
•		•							

FIG. 13 (PRIOR ART)

Agent:

Martin Langhammer Not Yet Assigned

PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Jeffrey C. Aldridge Registration No. 51,390

Docket No.: 174/198 Div. Filed: Herewith

Tel.: (212) 596-9000

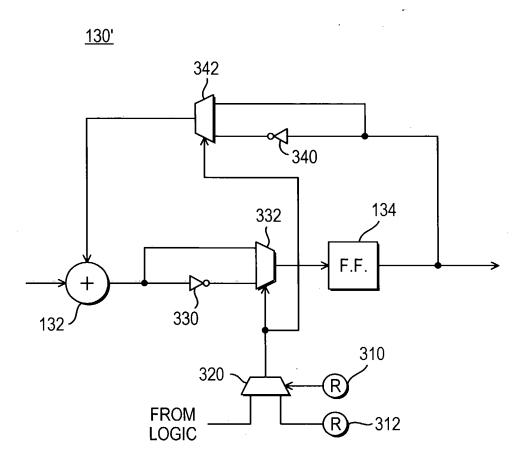
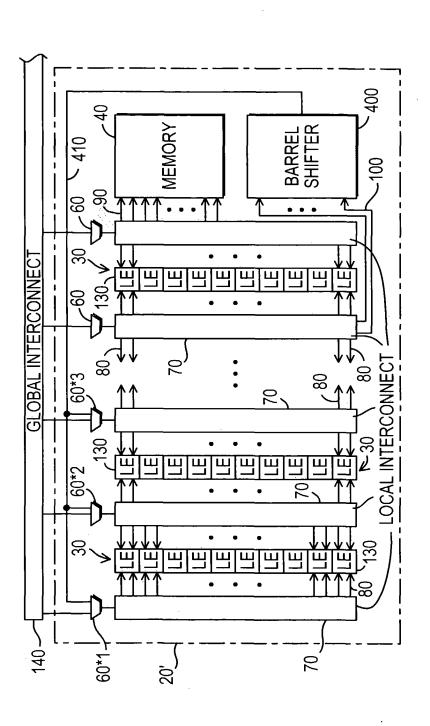


FIG. 14

Agent:

Applicant: Martin Langhammer Docket No.: 174/198 Div.
Application No.: Not Yet Assigned Filed: Herewith
PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Registration No. 51,390 Jeffrey C. Aldridge

Tel.: (212) 596-9000



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Martin Langhammer Not Yet Assigned PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS

Jeffrey C. Aldridge Registration No. 51,390 Tel.: (212) 596-9000

Docket No.: 174/198 Div. Filed: Herewith

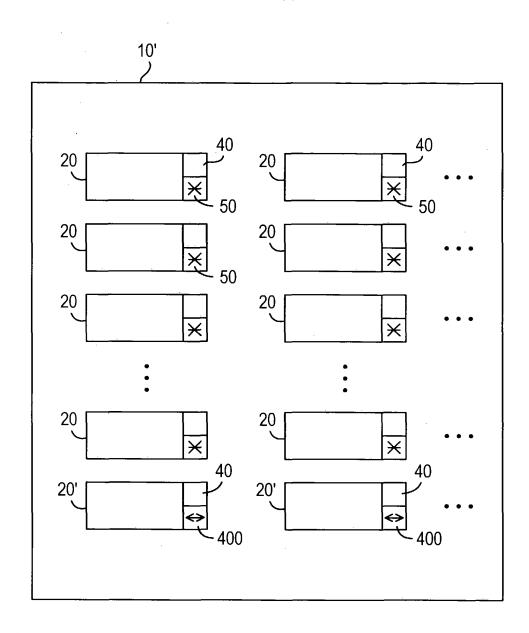


FIG. 16

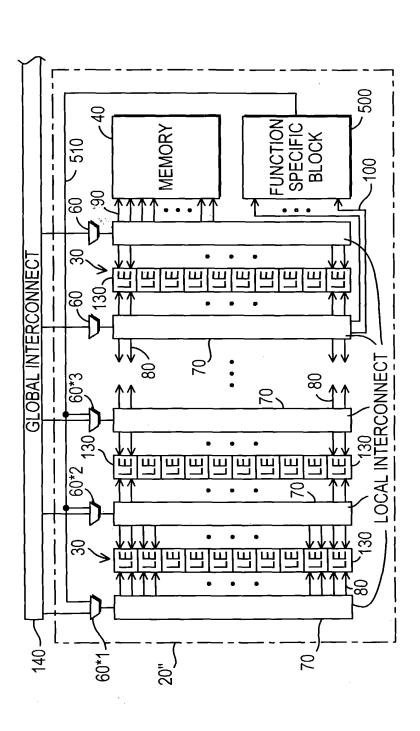
Agent:

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Not Yet Assigned Filed: Herewilt PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Jeffrey C. Aldridge Registration No. 51,390

Docket No.: 174/198 Div. Filed: Herewith

Tel.: (212) 596-9000



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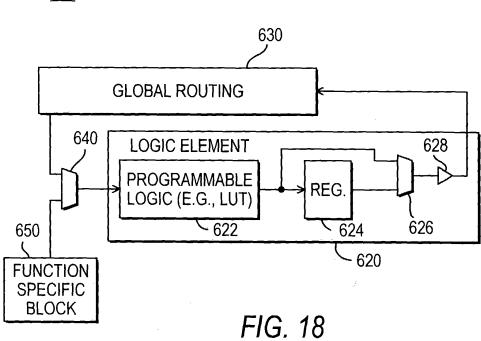
Martin Langhammer

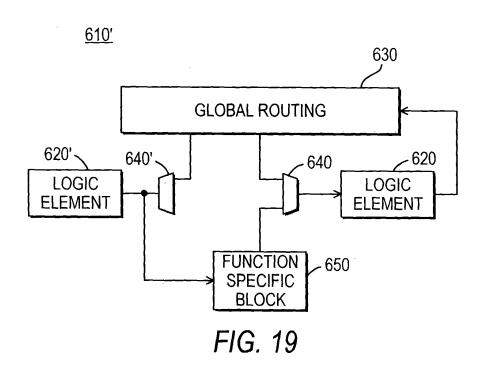
Not Yet Assigned PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Jeffrey C. Aldridge Registration No. 51,390

Docket No.: 174/198 Div. Filed: Herewith Tel.: (212) 596-9000

16/19

<u>610</u>

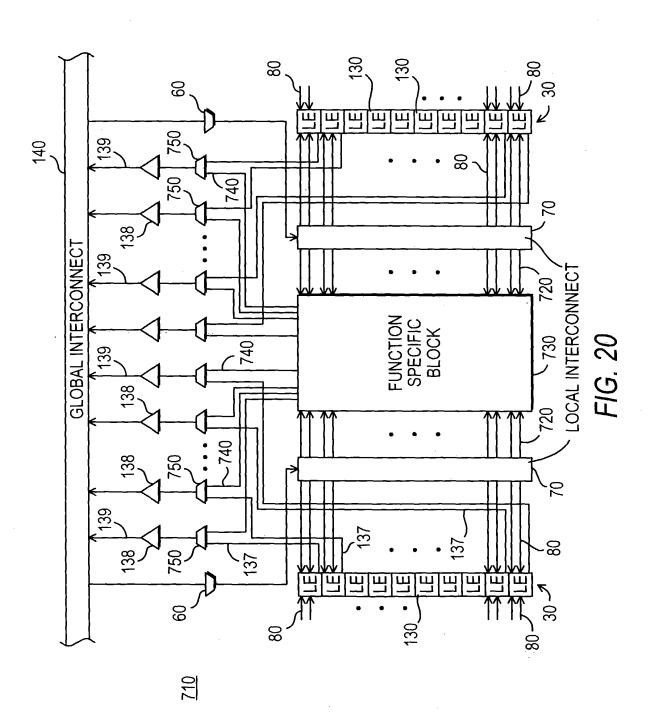




Agent:

Jeffrey C. Aldridge Registration No. 51,390

Martin Langhammer Docket No.: 174/198 Div. Not Yet Assigned Filed: Herewith PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Tel.: (212) 596-9000



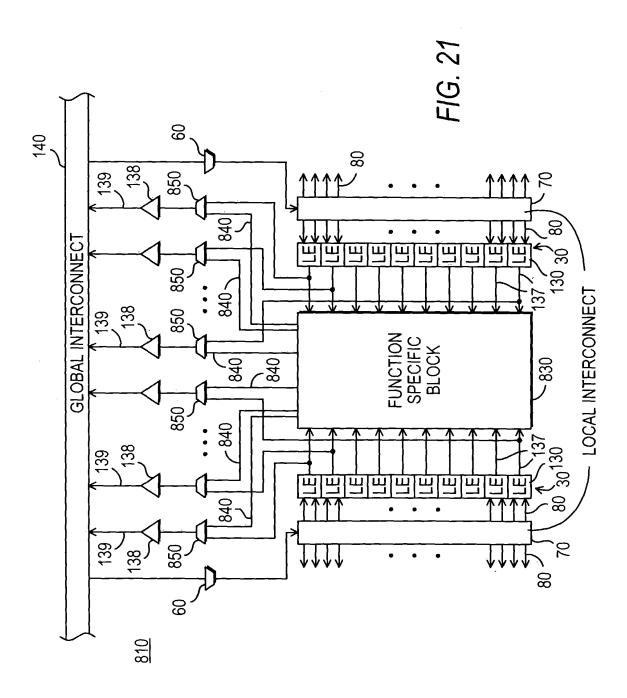
Applicant: For:

Agent:

Martin Langhammer

Application No.: Not Yet Assigned Filed: Herewith For: PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Jeffrey C. Aldridge Registration No. 51,390

Docket No.: 174/198 Div. Filed: Herewith Tel.: (212) 596-9000



Agent:

Martin Langhammer Not Yet Assigned

Jeffrey C. Aldridge

Docket No.: 174/198 Div. Filed: Herewith PROGRAMMABLE LOGIC DEVICES WITH FUNCTION SPECIFIC BLOCKS Tel.: (212) 596-9000 Registration No. 51,390

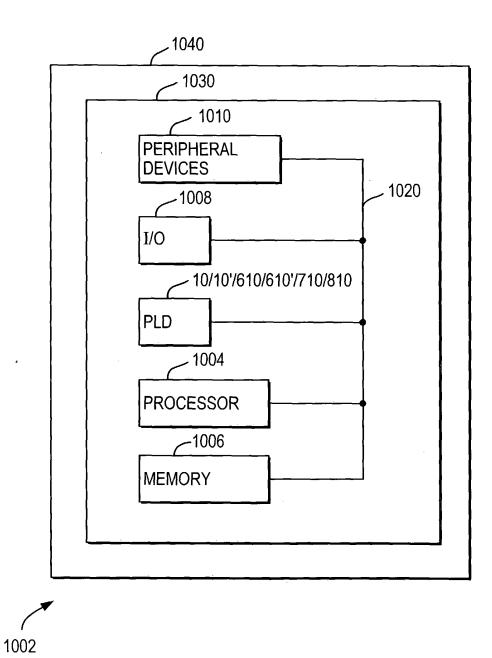


FIG. 22